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* * * * * RECONNECTED TO U.S. Patent & Trademark Office * * * * *
SESSION RESUMED IN FILE 'USPAT' AT 16:09:59 ON 08 NOV 1997

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08 NOV 1997 16:10:02

U.S. Patent & Trademark Office

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(FILE 'USPAT' ENTERED AT 15:41:24 ON 08 NOV 1997)

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L1 0 SEA PLU=ON (5638302 OR 5568406)/UREF

L2 6320 SEA PLU=ON (PARK? OR STOR?) (5A) (CAR OR AUTO OR AUTOMOBILE)

L3 8 SEA PLU=ON L2 AND (IMAGING OR READ OR IMAGE) (5A) (LICENSE PLA
TE OR LICENSE TAG OR LICENSE)

L4 5 SEA PLU=ON 4774571/UREF

L5 321 SEA PLU=ON (AUTOMOBILE OR CAR) (P) (THEFT OR STOLEN) (P) (DETECT
? OR DETERMIN? OR MONITOR? OR FIND OR FINDING)

FILE USPAT

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=> 15 and 364/clas

60452 364/CLAS

L6 14 L5 AND 364/CLAS

=> d 1-14 ti

US PAT NO: 5,638,302 :IMAGE AVAILABLE: L6: 1 of 14
TITLE: System and method for preventing auto thefts from parking
areas

US PAT NO: 5,594,793 :IMAGE AVAILABLE: L6: 2 of 14
TITLE: Integrated circuit containing a protected memory and secured
system using said integrated circuit

US PAT NO: 5,568,406 :IMAGE AVAILABLE: L6: 3 of 14
TITLE: ::7mStolen::0m ::7mcar::0m ::7mdetection::0m system and method

US PAT NO: 5,493,517 :IMAGE AVAILABLE: L6: 4 of 14
TITLE: Cargo container mapping system

US PAT NO: RE 33,849 :IMAGE AVAILABLE: L6: 5 of 14
TITLE: Computerized car wash controller system

US PAT NO: 4,999,763 :IMAGE AVAILABLE: L6: 6 of 14
TITLE: Self service access controller

US PAT NO: 4,948,986 :IMAGE AVAILABLE: L6: 7 of 14
TITLE: Electrical feeding device of a central unit by at least one
control signal, the said unit being connected with a

receiving local station

US PAT NO: 4,893,229 :IMAGE AVAILABLE: L6: 8 of 14
TITLE: Computerized car wash controller system

US PAT NO: 4,891,650 :IMAGE AVAILABLE: L6: 9 of 14
TITLE: Vehicle location system

US PAT NO: 4,876,649 :IMAGE AVAILABLE: L6: 10 of 14
TITLE: Harm preventing apparatus for vehicle

US PAT NO: 4,774,571 :IMAGE AVAILABLE: L6: 11 of 14
TITLE: Computerized ticket dispenser system

US PAT NO: 4,603,390 :IMAGE AVAILABLE: L6: 12 of 14
TITLE: Computerized parking system

US PAT NO: 4,494,114 :IMAGE AVAILABLE: L6: 13 of 14
TITLE: Security arrangement for and method of rendering
microprocessor-controlled electronic equipment inoperative
after occurrence of disabling event

US PAT NO: 4,491,923 :IMAGE AVAILABLE: L6: 14 of 14
TITLE: Method and apparatus for extracting information from an object
that is within a large interrogation zone

=> (4774571 or 5414624 or 4891650 or 4999763 or 5568406)/uref

5 4774571/UREF
2 5414624/UREF
35 4891650/UREF
4 4999763/UREF
0 5568406/UREF

L7 46 (4774571 OR 5414624 OR 4891650 OR 4999763 OR 5568406)/UREF

=> d 1-46 ti

US PAT NO: 5,682,024 :IMAGE AVAILABLE: L7: 1 of 46
TITLE: Elevator position determination

US PAT NO: 5,673,305 :IMAGE AVAILABLE: L7: 2 of 46
TITLE: Apparatus and method for tracking and reporting the location
of a motor vehicle

US PAT NO: 5,670,964 :IMAGE AVAILABLE: L7: 3 of 46
TITLE: Navigation assistance for call handling in mobile telephone
systems

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US PAT NO: 5,652,707 :IMAGE AVAILABLE: L7: 4 of 46
TITLE: Vehicle locating and communicating method and apparatus

US PAT NO: 5,652,570 :IMAGE AVAILABLE: L7: 5 of 46
TITLE: Individual location system

US PAT NO: 5,647,231 :IMAGE AVAILABLE: L7: 6 of 46
TITLE: Appliance electronic control system with programmable
parameters including programmable and reconfigurable fuzzy
logic controller

US PAT NO: 5,608,643 :IMAGE AVAILABLE: L7: 7 of 46

TITLE:	System for managing multiple dispensing units and method of operation	
US PAT NO:	5,608,410 :IMAGE AVAILABLE:	L7: 8 of 46
TITLE:	System for locating a source of bursty transmissions cross reference to related applications	
US PAT NO:	5,602,903 :IMAGE AVAILABLE:	L7: 9 of 46
TITLE:	Positioning system and method	
US PAT NO:	5,600,706 :IMAGE AVAILABLE:	L7: 10 of 46
TITLE:	Method and system for determining the position of a mobile receiver	
US PAT NO:	5,596,625 :IMAGE AVAILABLE:	L7: 11 of 46
TITLE:	Method for routing emergency calls during busy interface channel conditions	
US PAT NO:	5,596,330 :IMAGE AVAILABLE:	L7: 12 of 46
TITLE:	Differential ranging for a frequency-hopped remote position determination system	
US PAT NO:	5,595,538 :IMAGE AVAILABLE:	L7: 13 of 46
TITLE:	Electronic gaming machine and method	
US PAT NO:	5,592,180 :IMAGE AVAILABLE:	L7: 14 of 46
TITLE:	Direction finding and mobile location system for trunked mobile radio systems	
US PAT NO:	5,587,715 :IMAGE AVAILABLE:	L7: 15 of 46
TITLE:	Method and apparatus for tracking a moving object	
US PAT NO:	5,583,517 :IMAGE AVAILABLE:	L7: 16 of 46
TITLE:	Multi-path resistant frequency-hopped spread spectrum mobile location system	
US PAT NO:	5,579,376 :IMAGE AVAILABLE:	L7: 17 of 46
TITLE:	Phantom mobile-identification number method and apparatus	
US PAT NO:	5,570,412 :IMAGE AVAILABLE:	L7: 18 of 46
TITLE:	System and method for updating a location databank	
US PAT NO:	5,557,254 :IMAGE AVAILABLE:	L7: 19 of 46
TITLE:	Programmable vehicle monitoring and security system having multiple access verification devices	
US PAT NO:	5,544,225 :IMAGE AVAILABLE:	L7: 20 of 46
TITLE:	Data messaging in a cellular communications network	
US PAT NO:	5,542,100 :IMAGE AVAILABLE:	L7: 21 of 46
TITLE:	Mobile communication system	
US PAT NO:	5,539,810 :IMAGE AVAILABLE:	L7: 22 of 46
TITLE:	Data messaging in a communications network	
US PAT NO:	5,537,460 :IMAGE AVAILABLE:	L7: 23 of 46
TITLE:	Method and apparatus for determining the precise location of a modified cellular telephone using registration messages and reverse control channel transmission	

US PAT NO:	5,519,621 :IMAGE AVAILABLE:	L7: 24 of 46
TITLE:	Vehicle locating and communicating method and apparatus	
US PAT NO:	5,515,419 :IMAGE AVAILABLE:	L7: 25 of 46
TITLE:	Tracking system and method for tracking a movable object carrying a cellular phone unit, and integrated personal protection system incorporating the tracking system	
US PAT NO:	5,515,285 :IMAGE AVAILABLE:	L7: 26 of 46
TITLE:	System for monitoring vehicles during a crisis situation	
US PAT NO:	5,508,707 :IMAGE AVAILABLE:	L7: 27 of 46
TITLE:	Method for determining position by obtaining directional information from spatial division multiple access (SDMA)-equipped and non-SDMA-equipped base stations	
US PAT NO:	5,490,079 :IMAGE AVAILABLE:	L7: 28 of 46
TITLE:	System for automated toll collection assisted by GPS technology	
US PAT NO:	5,432,841 :IMAGE AVAILABLE:	L7: 29 of 46
TITLE:	System for locating and communicating with mobile vehicles	
08 NOV 1997 16:15:28	U.S. Patent & Trademark Office	P0007
US PAT NO:	5,422,813 :IMAGE AVAILABLE:	L7: 30 of 46
TITLE:	No-outage GPS/commercial RF positioning system	
US PAT NO:	5,414,624 :IMAGE AVAILABLE:	L7: 31 of 46
TITLE:	Automated vehicle parking system	
US PAT NO:	5,404,376 :IMAGE AVAILABLE:	L7: 32 of 46
TITLE:	Navigation assistance for call handling in mobile telephone systems	
US PAT NO:	5,365,516 :IMAGE AVAILABLE:	L7: 33 of 46
TITLE:	Communication system and method for determining the location of a transponder unit	
US PAT NO:	5,351,194 :IMAGE AVAILABLE:	L7: 34 of 46
TITLE:	Apparatus and method for closing flight plans and locating aircraft	
US PAT NO:	5,327,144 :IMAGE AVAILABLE:	L7: 35 of 46
TITLE:	Cellular telephone location system	
US PAT NO:	5,299,113 :IMAGE AVAILABLE:	L7: 36 of 46
TITLE:	Control board having dual means of configuration	
US PAT NO:	5,293,642 :IMAGE AVAILABLE:	L7: 37 of 46
TITLE:	Method of locating a mobile station	
US PAT NO:	5,285,375 :IMAGE AVAILABLE:	L7: 38 of 46
TITLE:	Control apparatus and control method of a washing machine	
US PAT NO:	5,263,118 :IMAGE AVAILABLE:	L7: 39 of 46
TITLE:	Parking ticket enforcement system	
US PAT NO:	5,223,844 :IMAGE AVAILABLE:	L7: 40 of 46
TITLE:	Vehicle tracking and security system	

US PAT NO: 5,218,367 :IMAGE AVAILABLE: L7: 41 of 46
TITLE: Vehicle tracking system

US PAT NO: 5,208,756 :IMAGE AVAILABLE: L7: 42 of 46
TITLE: Vehicle locating and navigating system

US PAT NO: 5,155,689 :IMAGE AVAILABLE: L7: 43 of 46
TITLE: Vehicle locating and communicating method and apparatus

US PAT NO: 5,082,365 :IMAGE AVAILABLE: L7: 44 of 46
TITLE: Remote identification and speed determination system

US PAT NO: 5,060,072 :IMAGE AVAILABLE: L7: 45 of 46
TITLE: CCD imager with positive and mirror image output

US PAT NO: 5,055,851 :IMAGE AVAILABLE: L7: 46 of 46
TITLE: Vehicle location system

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US PAT NO: 5,055,851 :IMAGE AVAILABLE: L7: 46 of 46

ABSTRACT:

A system for determining a location of a selected vehicle from which an alarm signal is generated which includes a fixed array of cellular sites each site having a wireless signal detecting and generating units each of which is capable of receiving an input alarm signal having a signal strength which is a function of the distance between the position of the vehicle generating the alarm signal and the position of each of the wireless signal detecting units. Each unit also is capable of transmitting an output signal which is a function of the strength of the input alarm signal. The system also includes a main wireless signal detecting apparatus for receiving an output signal from each of the wireless signal detecting and generating units and a control monitoring unit which is coupled to the main wireless signal detecting apparatus, for receiving output signals there from, each of the output signals being a function of the strength of the received input alarm signal, for determining the approximate location of the selected vehicle from which the alarm signal is generated.

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